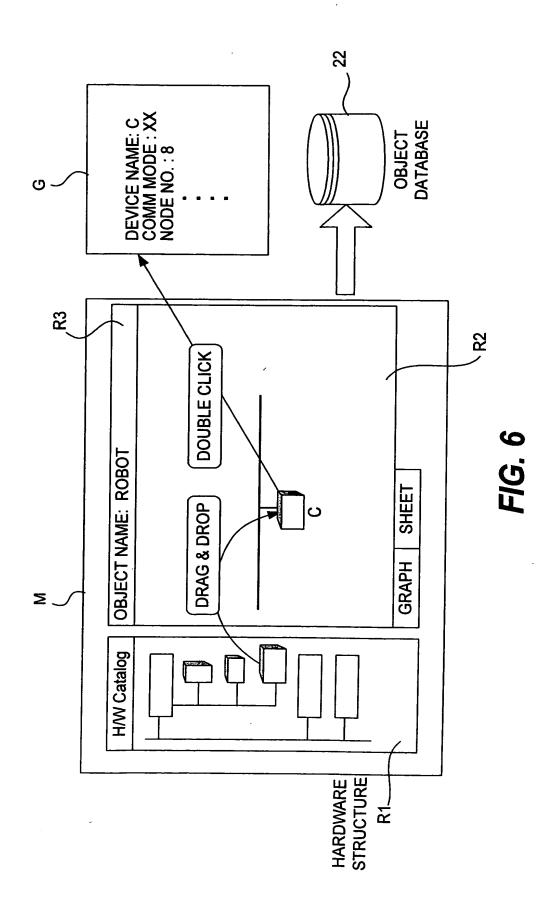


FIG. 5B



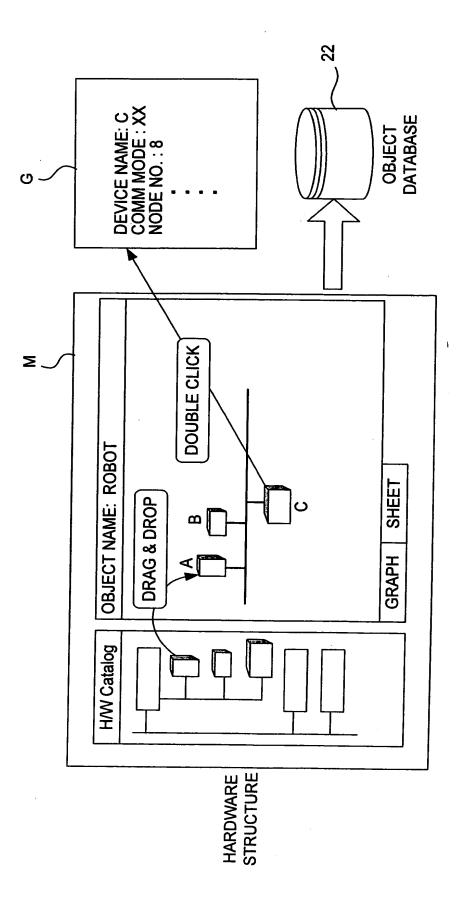


FIG. 7

Communication2=0

OUTadr2=

Communication0=0 Communication1=0 ObjName= ROBOT DevName0=C DevName1=A DevName2=B OUTSize0=2 OUTSize1=4 NodeNo0=8 DeviceNum=3 NodeNo1=3 OUTSize2=1 SerialNo0= SerialNo1= OUTadr0= SerialNo2= NodeNo2=1 INSize0=2 OUTadr1= INSize1=4 NSize2=1 Nadr0= Nadr1= Nadr2=

F/G. 8

OUTadr0= //MAPPED ADDRESS TO CONTROLLER MEMORY

Communication0=0 // COMMUNICATION MODE

INadro= // MAPPED ADDRESS TO CONTROLLER MEMORY

OUTSize0=2 / /byte

NodeNo0=8 // COMMUNICATION ADDRESS

ObjName= ROBOT

[Profile]

DevName0=C

SerialNo0=

DeviceNum=1

INSize0=2 / /byte

BYTE Add_Val(BYTE X, BYTE Y)
{
 BYTE A, B; C
 Get_Attribute("IN_param1", A);
 Get_Attribute("IN_param2", B);
 C=A+B
 Set_Attribute("OUT_param1, C);
 Return C
}

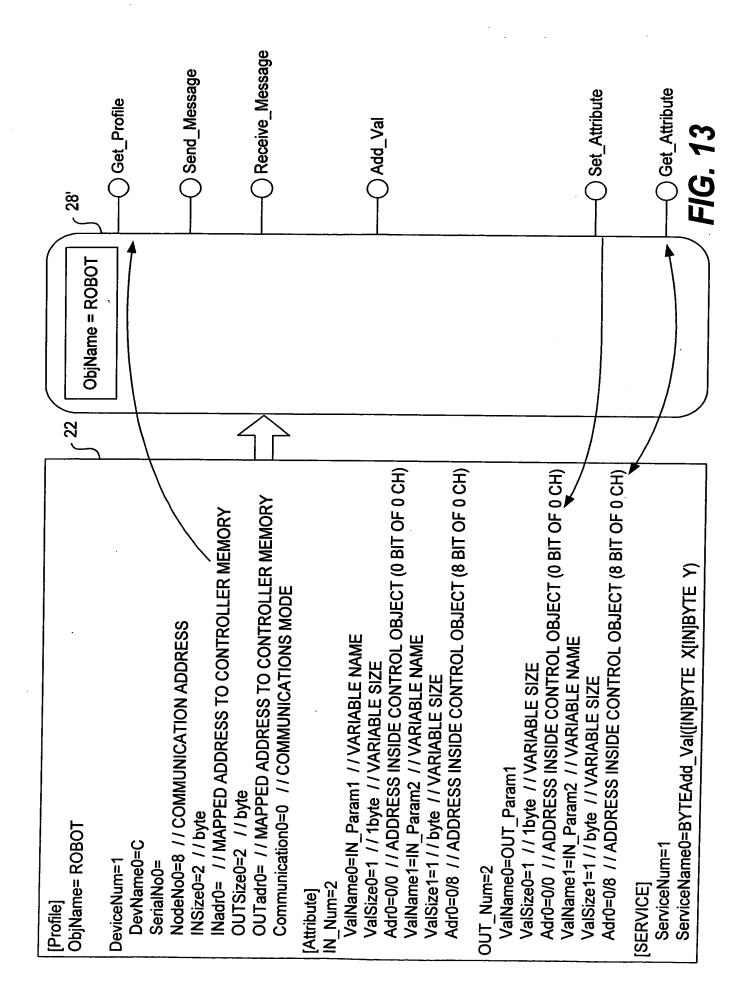
FIG. 11

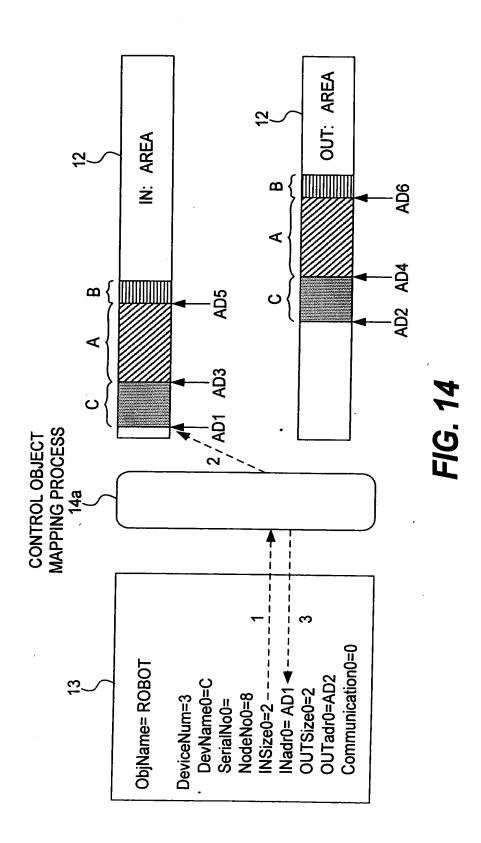
[Profile] ObjName= ROBOT DeviceNum=1 DevName0=C SerialNo0= NodeNo0=8 // COMMUNICATION ADDRESS INSize0=2 //byte INadr0= // MAPPED ADDRESS TO CONTROLLER MEMORY OUTSize0=2 //byte OUTadr0= // MAPPED ADDRESS TO CONTROLLER MEMORY Communication0=0 // COMMUNICATIONS MODE [Attribute] IN Num=2 VaiName0=IN_Param1 //VARIABLE NAME ValSize0=1 //1byte //VARIABLE SIZE Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH) ValName1=IN_Param2 //VARIABLE NAME ValSize1=1 / / byte / / VARIABLE SIZE Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH) OUT Num=2 ValName0=OUT Param1 ValSize0=1 // 1byte // VARIABLE SIZE Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH) ValName1=IN_Param2 //VARIABLE NAME ValSize1=1 / / byte / / VARIABLE SIZE Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH) [SERVICE]

FIG. 10

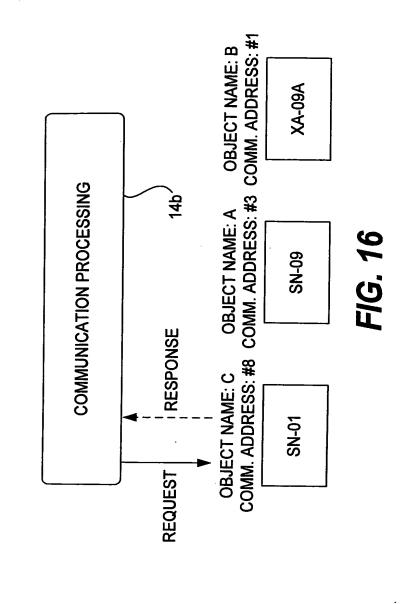
```
[Profile]
ObjName= ROBOT
DeviceNum=1
  DevName0=C
  SerialNo0=
  NodeNo0=8 // COMMUNICATION ADDRESS
  INSize0=2 //byte
  INadr0= //MAPPED ADDRESS TO CONTROLLER MEMORY
  OUTSize0=2 //byte
  OUTadr0= // MAPPED ADDRESS TO CONTROLLER MEMORY
  Communication0=0 // COMMUNICATIONS MODE
[Attribute]
IN Num=2
  ValName0=IN_Param1 // VARIABLE NAME
  ValSize0=1 //1byte //VARIABLE SIZE
  Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN_Param2 //VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
  Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
OUT Num=2
  ValName0=OUT Param1
  ValSize0=1 // 1byte // VARIABLE SIZE
 Adr0=0/0 // ADDRESS INSIDE CONTROL OBJECT (0 BIT OF 0 CH)
  ValName1=IN_Param2 //VARIABLE NAME
  ValSize1=1 / / byte / / VARIABLE SIZE
 Adr0=0/8 // ADDRESS INSIDE CONTROL OBJECT (8 BIT OF 0 CH)
[SERVICE]
 ServiceNum=1
 ServiceName0=BYTEAdd_Val([IN]BYTE X[IN]BYTE Y)
```

FIG. 12









ObjName= ROBOT

DeviceNum=3
DevName0=C
SerialNo0=SN-01

NodeNo0=8

INSize0=2 INadr0= AD1 OUTSize0=2

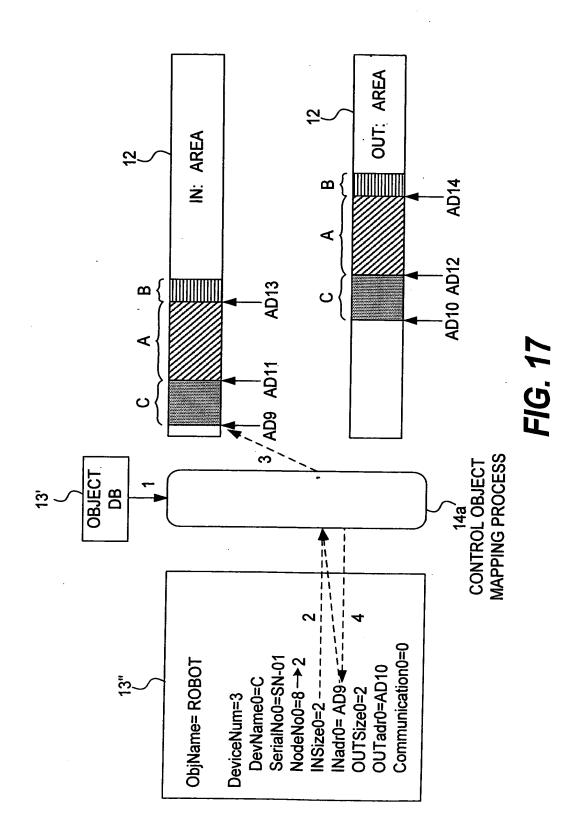
OUTadr0=AD2
Communication0=0

DevName1=A SerialNo1= NodeNo1=3 INSize1=4

INadr1= AD3 OUTSize1=4 OUTadr1=AD4 Communication1=0

DevName2=B SerialNo2= NodeNo2=1 INSize2=1 INadr2= AD5 OUTSize2=1 OUTadr2=AD6

Communication2=0



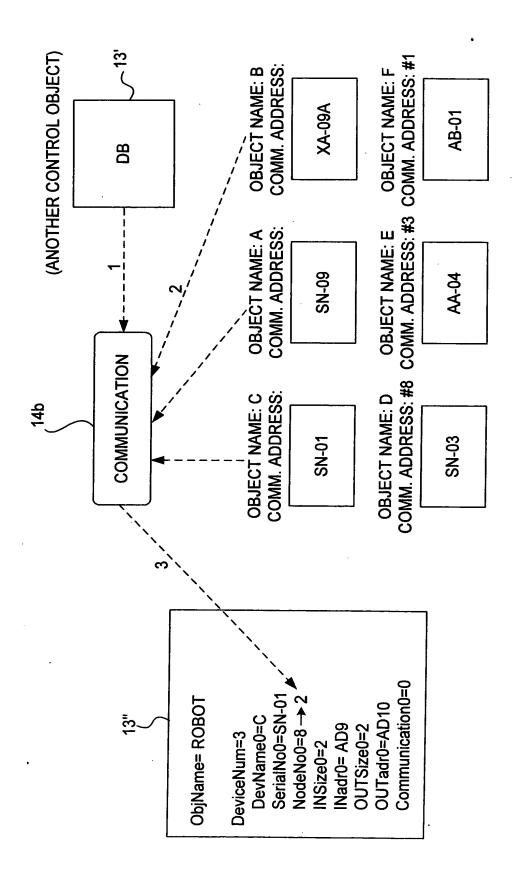
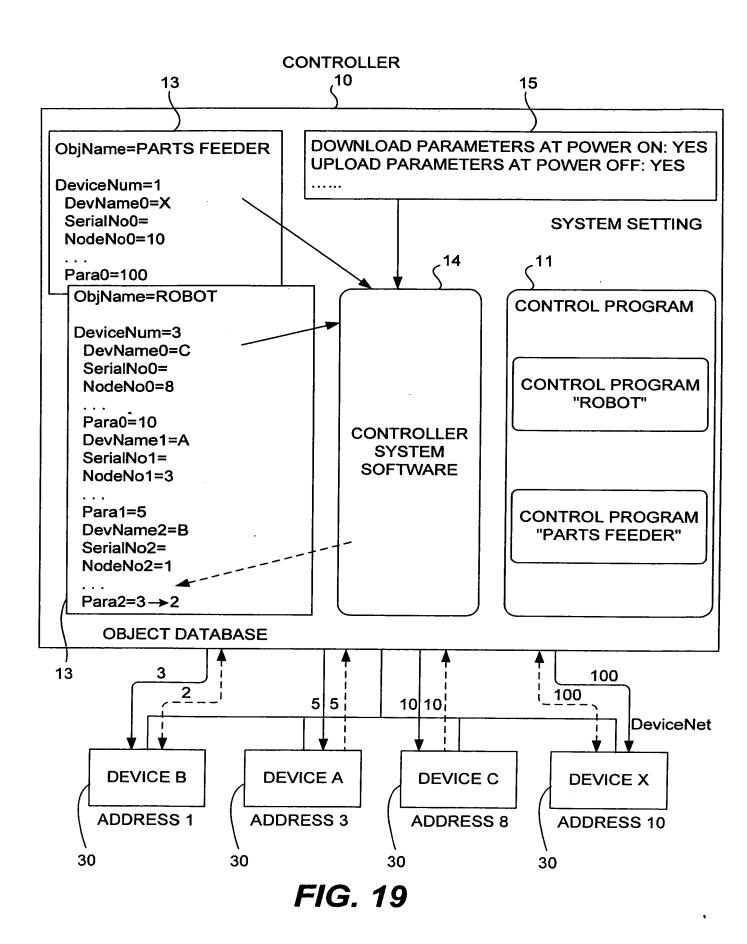


FIG. 18



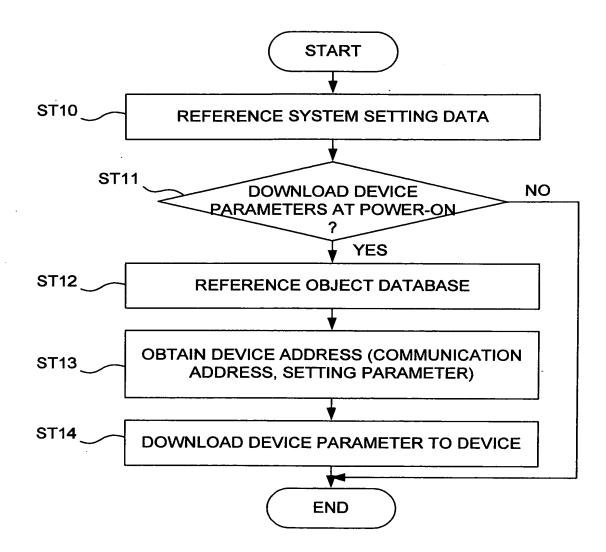


FIG. 20

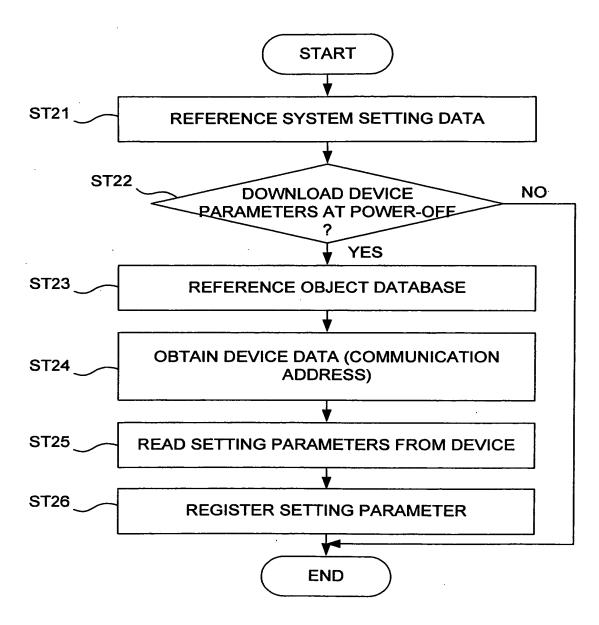


FIG. 21

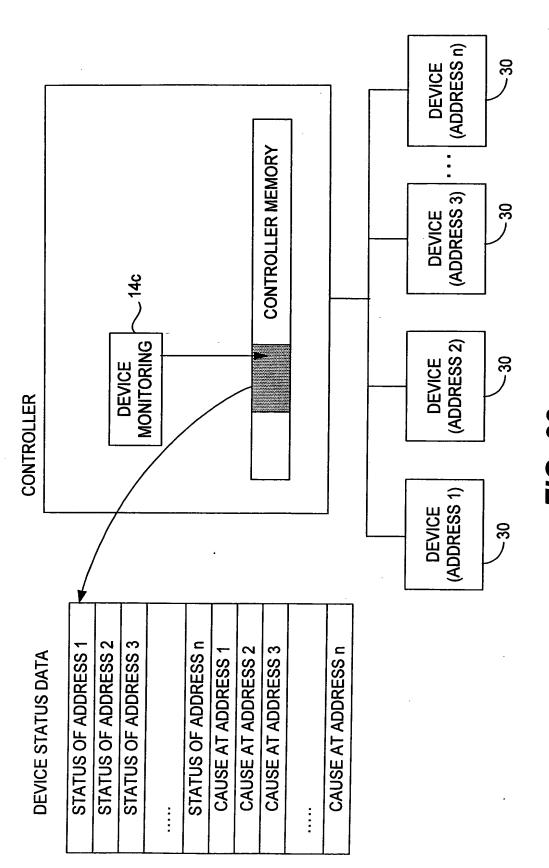


FIG. 22

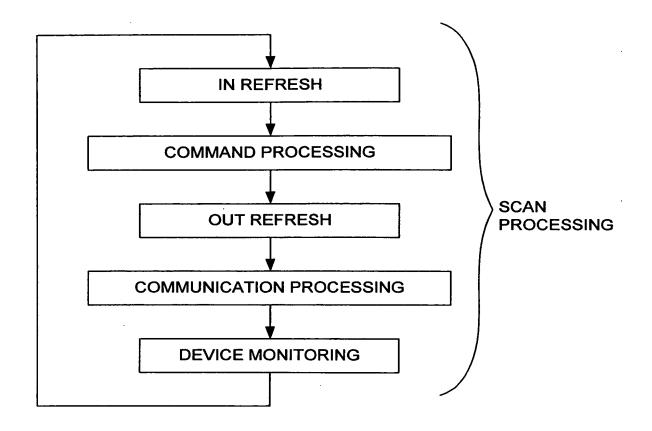


FIG. 23

